PHILIPS

VCR

VIDEO CASSETTE RECORDER

VR200

BEDIENUNGSANLEITUNG
OPERATING INSTRUCTIONS
KEZELÉSI UTMUTATÓ
NÁVOD K OBSLUZE

PHILIPS

PHILIPS

Ⓓ **Bedienungsanleitung**

Achtung !
- Immer zuerst dieses Umschlagblatt öffnen.

ⒼⒷ **Operating instructions**

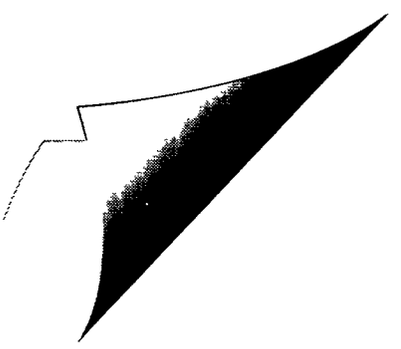
Attention !
- Always open this flap page first.

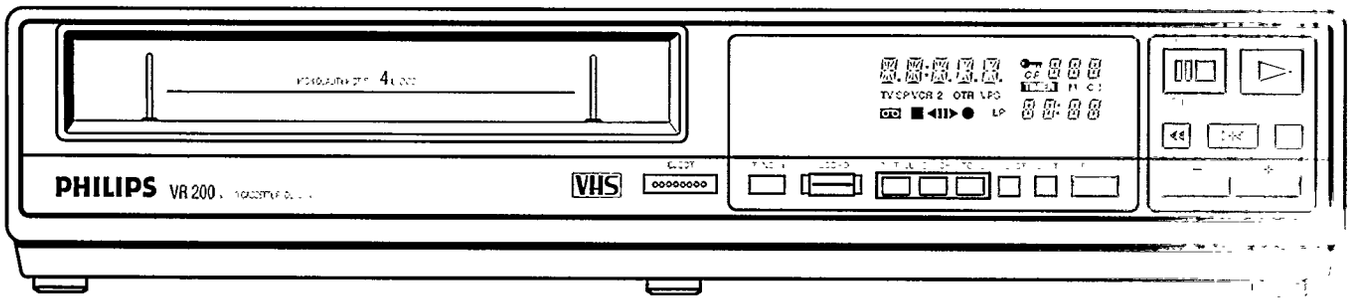
Ⓗ **Kezelési utmutató**

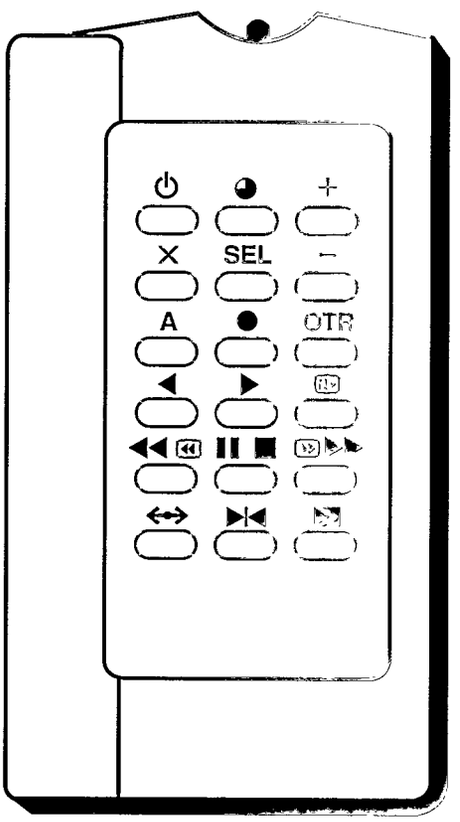
Figyelem !
- Elöször mindig ezt a boritólapot nyissa ki.

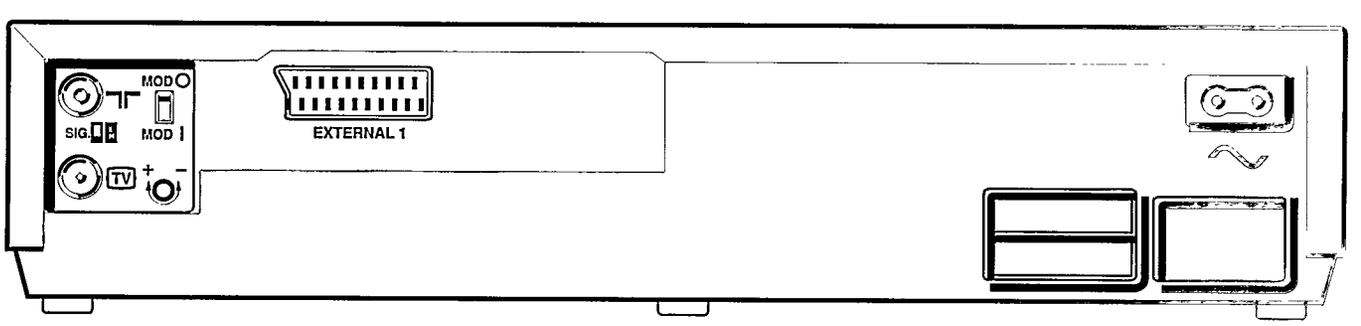
Ⓒⓢ **Návod k obsluze**

Upozornění !
- Vždy nejprve tento list otevřít




PHILIPS VR 200
VHS


SEL
A
OTR


MOD
SIG.
MOD
TV
EXTERNAL 1

INTRODUCTION

May we take this opportunity to congratulate you on the purchase of this new Video Cassette Recorder (VCR).
You are now the owner of one of the most sophisticated and simple-to-use home video recorders on the market.

Naturally, you can't wait to get it working, but before you do, spare a few moments to read through this operating manual. The time you spend reading through it and familiarising yourself with the operation of the video recorder will be repaid by trouble-free operation and even greater satisfaction at successful recordings and playbacks.

This video recorder also features:

- **Language choice.** You have a choice of 4 display languages: English, German, Italian or French.
- **Battery back up.** If a power failure occurs, all important data will remain stored in the video recorder memory for up to 1 month.
- **2 video heads.** Outstanding picture quality has been achieved by means of 'laser adjustment'.
- **Autotracking.** At the touch of a button, your video recorder will find the optimum video head tracking position. By using this feature, you may improve the picture quality of hired recordings.

This video recorder employs the VHS system. Only use cassettes of a well-known brand which display the VHS symbol. This will enable you to achieve optimum picture quality:

VHS
PAL SECAM

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ENGLISH

SUMMARY OF CONTROLS AND CONNECTIONS

1

Detailed information concerning the various functions is given in the relevant sections.
If symbols only appear on the video recorder or differ from the symbols on the remote control they are marked in negative in the text. (e.g. SELECT instead of **SEL**).

Symbols on the video recorder	Symbols on the remote control	Function
EJECT		Cassette eject
STAND BY	⏻	Stand by (Switch off)
RECORD	●	Record (on the remote control press **A and** ● simultaneously)
INSTALL		Installation
SEARCH		Search for a TV channel
STORE		Store a TV channel
SELECT	**SEL**	Function select
RESET	✕	Reset
TIMER	◕	TIMER programming
PAUSE/STOP	⏸ ■	Pause/Stop
PLAY	▶	Play
REWIND ◀◀	◀◀ ◀◀	Rewind / Picture search backward
STILL	▶|◀	Still picture, frame advance
WIND ▶▶	▶▶ ▶▶	Wind / Picture search forward
−	−	Down
+	+	Up
	A	Used in conjunction with ● and **OTR**
	OTR	One Touch Recording (instant recording). Press **A and OTR** simultaneously on the remote control
	◀	Play reverse
	NP	Fast motion
	▶▶	Auto tracking (fine tuning)
	↔	Searching for a tape position (GOTO)

Rear side of the video recorder:

⊓	Aerial input socket
TV	Aerial output socket
+⊘−	Channel control
EXTERNAL 1	AV-Euroconnector 1 (21-pin scart socket)
~	Mains socket
MOD I/O	MOD selector (modulator on = **I**), fitted in some sets only
SIG	Attenuator switch

Safety instructions

The manufacturer cannot be held responsible for damage which is incurred by not using the video recorder in compliance with the national guarantee conditions, safety instructions or precautions.

- First check if your supply voltage is the same as that written on the type plate at the rear of the video recorder.

- Caution! Do not open the casing, risk of electric shock. No user serviceable parts are to be found inside. If the video recorder is connected to the mains there are still parts of it in operation. To switch off the video recorder completely you must disconnect it from the mains.

- Ensure that air can circulate freely through the ventilation openings of the video recorder. Do not place the video recorder on soft surfaces (carpets, etc.)

- Do not place the video recorder close to a source of heat (radiator, etc.)

- Do not expose this video recorder to rain or moisture. Ensure that no objects or fluids pass through the ventilation openings. If liquid is spilt into the video recorder, disconnect the video recorder from the mains and consult a qualified service technician.

Precautions

- Before connecting the video recorder to the mains, it should be allowed to acclimatise for at least three hours after unpacking. Do not use your video recorder immediately after moving it from a cold to a warm location or vice versa, after heating a cold room or under conditions of high humidity.

- Ensure that there is a vertical distance of at least 20 cm between the video recorder and the TV set.

- Do not place the video recorder near appliances generating strong magnetic fields (e.g.motors, loud speakers and transformers).

- Do not use the video recorder in dusty places or where it may be subject to vibration.

- During heavy thunderstorms we recommend disconnection of the mains supply and of the aerial, "IT".

- Do not put your fingers or insert objects into the cassette loading slot, as this might cause injury and/or damage to the mechanism. Take special care with children.

- If you transport your video recorder, be sure to remove the video cassette and avoid sudden or violent jolts.

INSTALLATION: HOW DO I CONNECT THE VIDEO RECORDER TO THE TV SET? 2

Your video recorder is similar to a 'TV set without a screen'. It must therefore be connected to both the aerial and the TV set in order for you to be able to view recorded cassettes.

Connecting to the mains

1. Insert the female plug of the mains lead into the mains socket ~ at the rear of the video recorder.

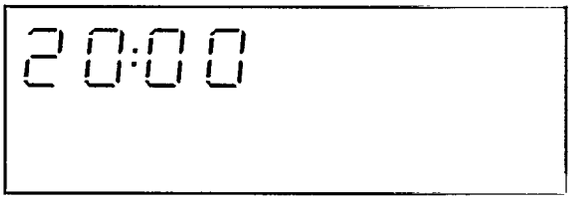
2. The plug at the other end of the mains lead must be inserted into the wall socket.

Further instructions for use:

- The video recorder should remain connected to the mains at all times to ensure that timed recordings can be made. The power consumption in the stand by mode is very low.

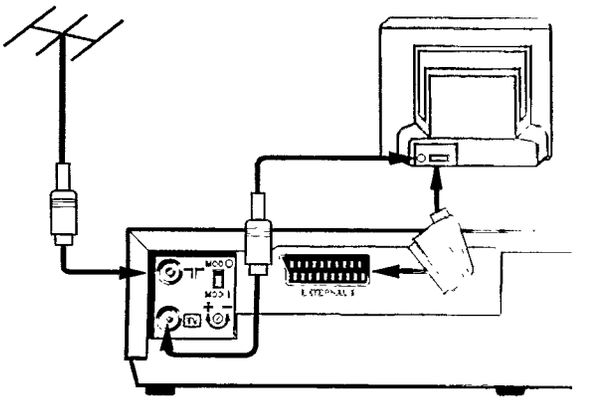
No additional control button is required to activate the video recorder. It will switch itself on when a cassette is loaded or when any of the tape transport buttons are pressed (e.g. **PAUSE/STOP**).

- If the video recorder has been switched to 'stand by' by pressing the button **STAND BY**, the display will only show the time e.g.:



- This video recorder has a 'stand by' (switch off) button. When you press this button **STAND BY**, all video recorder functions are interrupted. If you get into operating difficulties, you may use this button to cancel the function and start again from the beginning.

Connecting the aerial



Remove the aerial cable from your TV set and plug it into the socket "IT" at the back of the video recorder.

ENGLISH

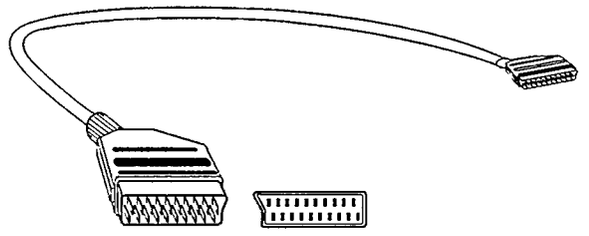
Take the aerial cable supplied and connect it to the socket TV on the video recorder and to the aerial input socket on your TV. The TV set and the video recorder are now connected to the aerial.

Connecting to your TV set

The connection to the TV set can be made in two different ways. The kind of connection you choose depends on the TV model you possess.

Method 1:

If your TV set has a 21-pin AV-Euroconnector (Scart-socket):



We suggest that you use an AV-Eurocable (Scart-cable). This will guarantee the best possible connection between the TV set and the video recorder. Consult your dealer for the correct cable.

1. Connect the corresponding socket on the TV set and the video recorder socket **EXTERNAL 1** using an AV-Eurocable.
2. Set the **MOD I/O** selector at the rear of the video recorder in position **O**.
3. If you wish to play back a cassette, all you have to do is to select programme 'AV'(= Audio Video-input) on the TV set. On some TV sets the switching takes place automatically.

Method 2:

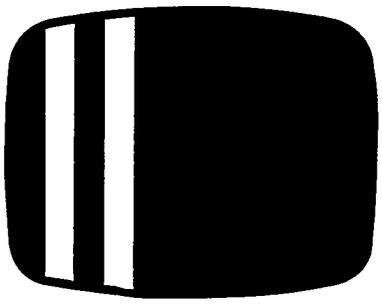
If your TV set isn't provided with a 21-pin AV-Euroconnector:

The aerial cable which is already in place, will act as the connection between the TV set and the video recorder.

In order to play the cassette (i.e. to produce the image on the screen) a programme number for the video recorder must be stored in the TV set. This works in the same way as storing a TV channel.
For example BBC 1 can be stored on number '1', BBC 2 on number '2', ITV on number '3' and so on.
If your TV set has a number reserved for the video recorder, then select this number.
If your TV set hasn't a special programme number reserved for the video recorder playback, you could, for example, choose programme number '8'.
Next, you have to select the right 'frequency', this works in the same way as tuning in to a radio station. The video recorder transmits 'its programme' on the UHF channel 37.
Your TV set must be adjusted to receive this channel.

And this is how to go about it:

1. Switch on the TV set and select the programme number you wish to reserve for the video playback (e.g. programme number '8').
2. Set the selector **MOD I/O** at the rear of the video recorder to position **I**. Remove the aerial cable from the aerial socket ⊓ on the video recorder.
3. Switch off the video recorder by pressing button **STAND BY** and press the button **INSTALL**. A language indication will appear on the display, e.g. 'ENGL'.
   The video recorder is now transmitting an installation test picture, which the TV set should receive.
4. Tune the TV set to the UHF range (band IV-V) until this test picture appears on the screen. You will find it around channel 37.



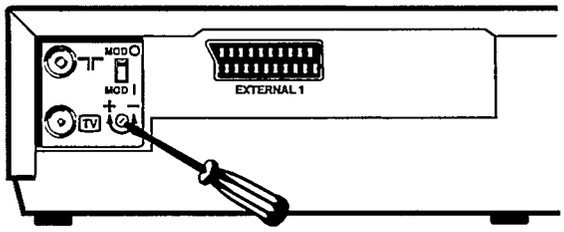
In order to find out how to tune the right channel on the TV set, please consult the operating instructions of your TV set.

5. Replace the aerial cable in the aerial socket ⊓.
   Switch off the video recorder by pressing button **STAND BY**.

You have now tuned the TV set into the video recorder.

Please note:
It is possible that in your reception area UHF channel 37 is already occupied by another TV channel. In this case you will have picture disturbances in the channels stored on the TV set. Proceed in this way:

1. Switch on the video recorder by pressing button **INSTALL** and check if the picture quality of all the TV channels stored in the TV set is unchanged.
2. If the reception of any TV channel is now of poor picture quality, switch the video recorder off and check all the TV channels again.
3. If the disturbances of the picture quality only appear when the video recorder is switched on, use a small screwdriver to turn the +⊘− channel control at the rear of the video recorder.



4. Tune the TV set once more following the instructions from step 1 to 5 until you see the installation test picture again.
5. Check again all the TV channels stored on the TV set.
   If necessary repeat the +⊘− channel adjustment until all picture disturbances disappear.

❻ Finally switch off the video recorder by pressing button STAND BY.

Selecting the display language,setting the clock and the date

In order to operate your video recorder easily, you have a choice of four display languages: English, German, Italian or French. The correct clock setting is important if timed recordings are to be made.

And this is how to go about it:

❶ Press the button STAND BY to switch the video recorder off. Now press the button INSTALL. Press the button + or − to select the language indication of your choice e.g. 'ENGL'.

❷ Press the button INSTALL again. The display now shows 'TIME'. Press the button + or − to set the time.

❸ Press the button INSTALL again. The display shows 'YEAR'. Now set the year.

❹ Press the button INSTALL again. The display shows 'MONTH'. Now set the month.

❺ Press the button INSTALL again. The display shows 'DATE'. Set the date.

❻ Press the button INSTALL once again. The setting of the display language and the clock is now completed.

❼ Press button STAND BY to switch off the video recorder.

Please note:
- A test picture is displayed on the TV screen during the installation procedure.

STORING TV CHANNELS

3

In chapter 2 you connected your TV set to the video recorder enabling you to play a cassette. In order to be able to record TV programmes, it is necessary to store the TV channels on the video recorder.
It is possible to store up to 42 TV channels!

Each TV channel has to have a number.
We advise you to use the same programme numbers for the TV channels on the video recorder as those on your TV set. This will make operating the video recorder a great deal easier.

The following is an example in which your TV set has the association listed below:

TV channel BBC 1	= programme number 1
TV channel BBC 2	= programme number 2
TV channel ITV	= programme number 3
video recorder	= programme number 8
or	
video recorder	= programme number 'AV'

If your TV set is already installed, these associations will already be stored. Now make the same association on the video recorder between a TV channel and a programme number.

There are two methods of tuning:

- If you do not know which channel number corresponds to the particular TV channel you want to store:
Read the section **'Automatic channel search'.**

- If you know which channel number corresponds to the particular TV channel you want to store:
Read the section **'Direct channel storage'.**

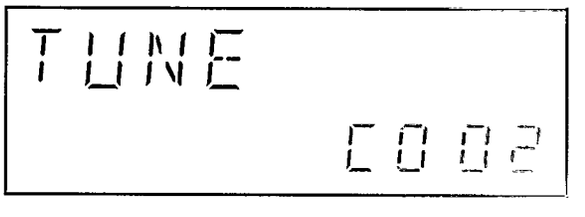
Please note: If you store a TV channel on a programme number that has already been used, the original channel will be deleted.

Automatic channel search

❶ Switch on the TV set and select the programme number for the video recorder (in our example number '8' or 'AV')

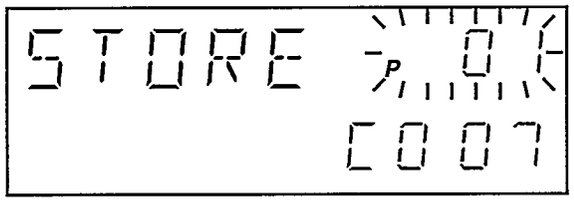
❷ Switch on the video recorder by pressing button PAUSE/STOP.

❸ Press button SEARCH. The video recorder will search for a TV channel. The video recorder display will show e.g.



ENGLISH

● When the automatic channel search finds a TV channel, its picture appears on the TV screen.
The video recorder display will show e.g.:



● Press button SEARCH again if it isn't the desired TV channel or if the picture quality is poor.
The video recorder will search for the next TV channel.

❹ The video recorder will propose a programme number (e.g. P 01) in which to store the TV channel.
If you wish to store it in another programme number, press button + or − to change the programme numbers.
If it is for instance the TV channel 'BBC2', then in our example it would be number '2'.

A tip: If the reception of the TV channel is not optimum, then we advise that you operate button ▶ (on the remote control) to start the automatic fine tuning.

Please note: During the first installation the video recorder will propose a programme number starting with '01'. It increases automatically each time you store a channel 01, 02, etc.

❺ If the programme number is correct and the TV channel reception is good, store them by pressing button STORE.

❻ Repeat steps ❸ to ❺ until all the desired TV channels are stored.

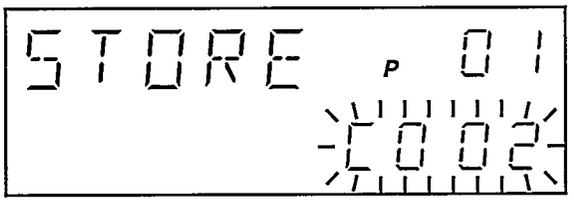
Direct channel storage

❶ Switch on the TV set and select the programme number for the video recorder (in our example number '8' or 'AV').

❷ Switch on the video recorder by pressing button PAUSE/STOP.

❸ The video recorder will show a programme number as a memory position (in our diagram, for example, this is 'P 01').
If you would rather store another number press button + or − to change the programme number.

❹ Press button STORE. The video recorder display will show a flashing channel number (in our diagram, for example, this is 'C 02').



Enter the desired channel number by pressing button + or −.

❺ The image of the TV channel received will appear on the TV screen.

● If it isn't the desired TV channel or if the picture quality is poor, enter another channel number.

A tip: If the reception of the TV channel is not optimum, then we advise that you operate button ▶ (on the remote control) to start the automatic fine tuning.

❻ As soon as the right TV channel is found, store it by pressing button STORE.

❼ Repeat steps ❸ to ❻ until all the desired TV channels are stored.

Availability table for special cable TV

If you possess cable TV equipment with special availability, you must enter the already defined channel numbers for the special channels.
Proceed as described in section 'Direct channel storage' and enter the channel numbers of the following table at step ❹.

Further information about the channel numbers is available from your cable TV supplier.

Special channel/channel number

S1	080	S11	090	S21	100	S31	110
S2	081	S12	091	S22	101	S32	111
S3	082	S13	092	S23	102	S33	112
S4	083	S14	093	S24	103	S34	113
S5	084	S15	094	S25	104	S35	114
S6	085	S16	095	S26	105	S36	115
S7	086	S17	096	S27	106	S37	116
S8	087	S18	097	S28	107	S38	117
S9	088	S19	098	S29	108	S39	118
S10	089	S20	099	S30	109	S40	119
						S41	120

Attenuator switch - SIG (optional)

Generally set to the **L** position. Set to the **H** when interference occurs in an area with a strong signal.

THE REMOTE CONTROL

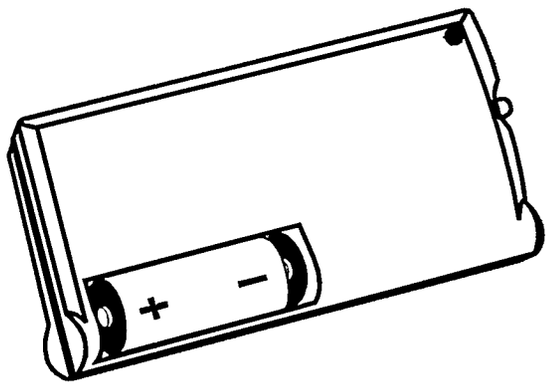
4

You have now prepared your video recorder for playback and recording.
All the remaining functions can be operated by using the remote control.

How do I insert the batteries?

❶ Open the cover on the back of the remote control unit.

❷ Insert the batteries as indicated in the battery holder and close the cover.



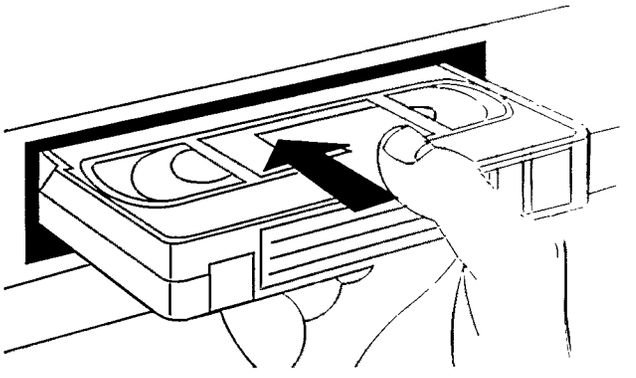
PLAYING A RECORDED CASSETTE

5

In chapter 2 you will have connected your TV set to the video recorder.
Playing a cassette will now be very easy and without problem.

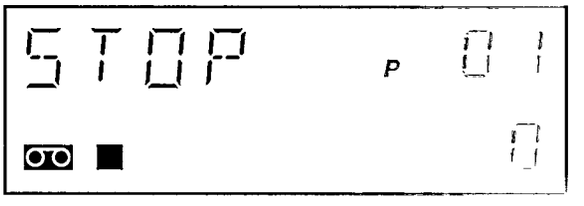
❶ Switch on the TV set and select the programme number reserved for playing the video.

❷ Insert the cassette into the cassette slot with the title label facing you and the window facing upward.
Push the cassette in the center until it is pulled inside automatically.

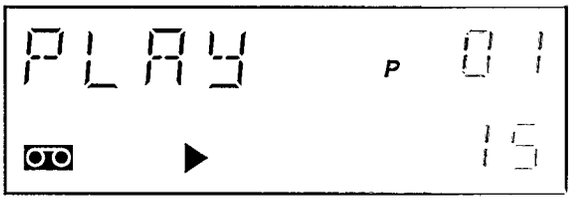


ENGLISH

Inserting a cassette will switch on the video recorder automatically. The symbol ⏀ appears on the display

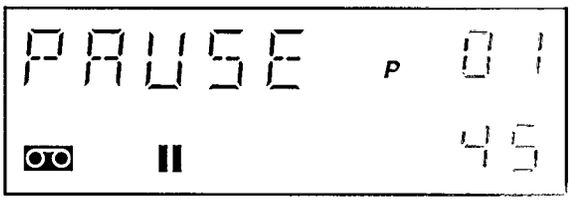


❸ Press button **PLAY**. The display will show, e.g.:



The recorded image will appear on the TV screen

❹ Press button **PAUSE/STOP** when you wish to interrupt the playback.
The display will show, e.g.:



❺ Press button **EJECT** if you wish to eject the cassette

Please also note the following:
- When the tape reaches the end during playback, it automatically rewinds to the beginning.
- If you load a cassette which has the erase tab removed (see chapter 'videocassetes'), the video recorder will start playing the cassette automatically.

You may then omit step ❸.

How do I correct picture disturbances (Auto-tracking)?

If the playback picture and/or sound quality of hired cassettes is poor, the video head tracking position may be easily adjusted:

❶ Press button ▶.

❷ Press button ▶▶|.
The video recorder will automatically find the best playback quality within a few seconds.

The automatically found tracking position of very poor recordings can sometimes be improved as follows:

❶ Press button ▶.

❷ Press button ▶▶|.

❸ Then press button ▶ at the very moment when the best playback quality has been reached.

Other playback functions and particular features

Wind and rewind:

❶ Press button II ■.

❷ Press button ◀◀ or ▶▶.
The tape will rewind or wind at high speed.

❸ Press button II ■ or ▶ when the required tape position is reached.

Picture search:

❶ Press button ▶.

❷ Press button ◀◀ or ▶▶.
The tape will play forwards or backwards at many times the normal speed, displaying the recorded image but without sound.

❸ Press button ▶ again when the required tape position is reached.

Note:
Interference will be seen on the picture when in picture search. This does not indicate a malfunction.

Still picture:

❶ Press button ▶.

❷ Press button |◀◀. The picture will stand still.
Each time you press this button |◀◀, the tape will advance by one step.

❸ Press button ▶ for normal playback.

Please note:
Still pictures can sometimes show vertical vibrations. Press and hold button ▶▶| until the vibration disappears.
If the optimum position has been passed,press and hold button ▶▶| again.
This adjustment for still pictures only has to be done once as the video recorder will store the adjustment details automatically.

Important! With hired cassettes of poor quality the still picture may nevertheless be affected by interference. This is not caused by your video recorder.

Fast motion:

❶ Press button ▶▶. The recording is shown in fast motion.

❷ Press button ▶ again for normal playback.

Play reverse at normal speed:

This function is very convenient if you wish to go back to a particular scene.

❶ Press button ◀. The sound is muted.

❷ If you wish to return to normal playback, press button ▶.

How do I know where I am on the cassette tape?

You can switch between these indications during rewinding, winding, recording or playing a cassette.

If you wish to reset the tape counter indication to '0', press the button ✕.

How can I find a particular position on the tape?

It's possible that you may have recorded two or more different programmes on the same cassette.
Your video recorder has an automatic search function (GOTO). This feature will help you find recordings without searching for long periods.

Searching for a tape position (GOTO):

❶ Press button ↔ on the remote control.

❷ Press the buttons + or — to enter the desired position to which you would like the tape to go.

❸ You may now select the function to be started from that point, e.g. II ■, ▶ or ● .
The video recorder will rewind or wind the tape to the position you have entered and will automatically begin the chosen function starting from that point.

Here is another tip: If you have recorded different programmes on a cassette, always write down the tape positions where the recording starts (e.g. tape counter position '3450'). You will be able to find the corresponding position by using the 'GOTO function'.

HOW CAN I RECORD DIRECTLY?

6

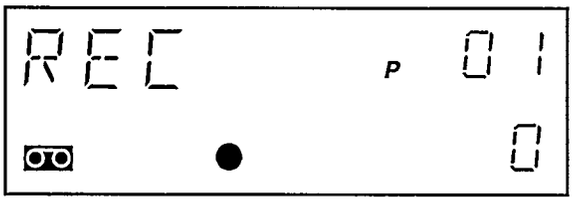
The easiest way of recording is to record directly from a TV programme which is being broadcast.

And this is how to go about it:

❶ Insert a cassette. The video recorder will switch on automatically.
Press button + or — to select the programme number you wish to record from.

❷ Press button **RECORD** when you want the recording to begin.

It is important to note the following:
Whilst operating the remote control, you must always press the button ● and the button **A** simultaneously, this is in order to prevent accidentally starting a recording.
The video recorder display will show e.g.:



The video recorder will record your chosen TV programme.

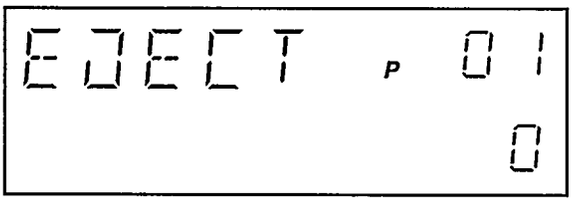
❸ If you wish to interrupt or to stop the recording, press button **PAUSE/STOP**.

Can I switch the TV set off while recording?

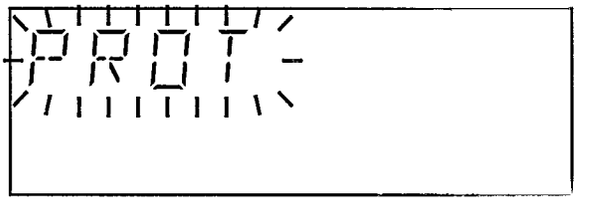
Yes. In order to record TV programmes, your video recorder has its own tuner.
This means that during a recording you can use the TV set independently of the video recorder. You may switch it off, switch it on again or change the programme number without disturbing the recording which is taking place.
If you wish to control what you are recording, then select on the TV set the programme number for the video recorder.

Some general notes:

- If while recording a TV programme you wish to select a different TV channel and record a programme from there, you must first interrupt the original recording by pressing the button **PAUSE/STOP**.
Select the new programme number and start the recording by pressing button **RECORD**.
- Should you forget to load a cassette before starting a recording, the display will warn you by showing the following:



- If you accidentally load a protected cassette, for example a cassette hired from a video shop, then when you go to begin a recording, the display will warn you by indicating the following



After a while the cassette will be ejected

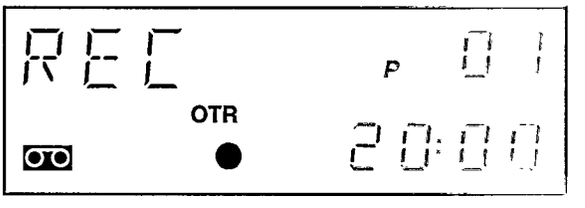
- If the end of the tape is reached during recording, the cassette will be ejected automatically and the video recorder will switch itself off.
- The previous recording on a cassette is automatically erased when you make a new recording.

Instant recording with automatic switch off (OTR: One Touch Recording)

Even if you are recording directly, it is not necessary for you to wait for the programme to end. It is possible to give the video recorder an automatic switch-off time.
The time when you wish the recording to stop can be chosen in intervals of 30 minutes.

❶ Load a cassette and press button + or — to select the TV channel from which you wish to record.

❷ Now press the buttons **A and OTR** simultaneously when you wish to start the recording.
The video recorder display will show, e.g.:



The time shown is the time at which the recording will stop, this is always the current time + 30 minutes In this example, the time is 7.30 p.m.

❸ If you wish the recording time to be lengthened, press again the buttons **A and OTR** simultaneously. Each time you press these buttons, the recording time is extended by 30 minutes

If you have pressed the buttons **A and OTR** too often, press button ✕ to return to the previous stopping time, that is, the present time + 30 minutes.

Please note:

- If you wish to stop the OTR recording before the programmed stopping time is reached, press button ■ or button ⏻.
- If you have started a manual recording, you may later change over to an OTR-recording,for instance if you wish to go to bed

ENGLISH

Auto-assembling

With the auto-assembling function you may join single recordings without picture disturbances such as 'flickering'. If you wish to set the auto-assembling function into operation, then the video recorder must be in 'PAUSE' position.

❶ Press the button **PLAY** and immediately afterwards interrupt the playback by pressing button **PAUSE/STOP**. 'PAUSE' will be indicated on the video recorder display.

❷ Now start the recording as usual by pressing button **RECORD**.

HOW DO I PROGRAMME A TIMED RECORDING? 7

In the following chapter we will guide you through the different possibilities of programming your video recorder, so that it will switch itself on automatically, record the TV programme you have chosen and then switch itself off automatically, all of this up to 1 month in advance.

What information is needed by the video recorder?

For every timed recording you must give the video recorder the following information:

- the starting time of the recording
- the ending time of the recording
- the date on which the recording is to be made
- the programme number of the corresponding TV channel

Information necessary for timed recordings is stored in a so-called TIMER block.

Your video recorder can store up to 4 different TIMER blocks.

It is important to note the following:

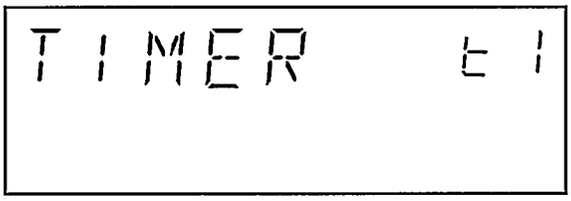
The automatic time-switch (TIMER) will only switch the video recorder on automatically if it is switched off at the moment the timed recording has to start.
Always make sure that the video recorder is switched off before a timed recording must start. If necessary press button **STAND BY**.

Programming on the video recorder

You can enter the data for a timed recording directly into the video recorder.

Next, you must enter step by step all of the data which is necessary for the timed recording. You may use the button + or −.

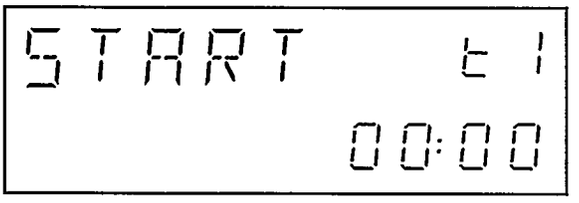
❶ Press button **TIMER**. You must now select a TIMER-block. The video recorder display will show, e.g.:



The indication 't1' shows the next free TIMER-block, in this case TIMER-block number '1'.

- If you wish to store the data in another TIMER-block,e.g. TIMER-block '4', enter the corresponding number.

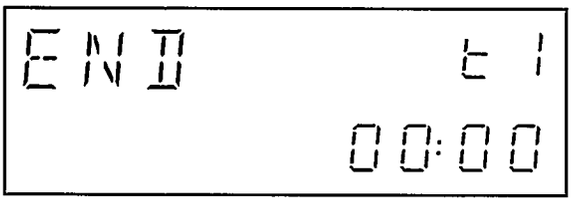
❷ Press button **TIMER**.
The video recorder display will show, e.g.:



Now enter the starting time of the recording.

A tip:
If you press button **RESET**, the starting time will automatically be set to 20:00.

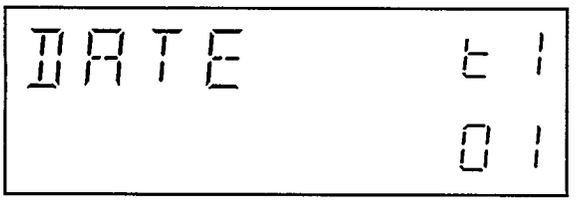
❸ Press button **TIMER** again.
The video recorder display will show, e.g.:



Now enter the ending time of the recording.

A tip:
If you press button **RESET**, then the starting time is automatically transferred as ending time and displayed as such.

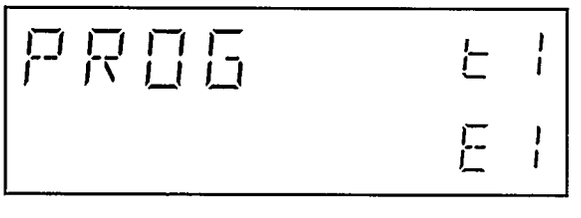
❹ Press button **TIMER** again.
The video recorder display will show, e.g.:



If the display shows another indication, e.g. 'DAILY' or 'WKLY', press button **SELECT** one or more times until the display shows 'DATE'. Now enter the date of the recording.

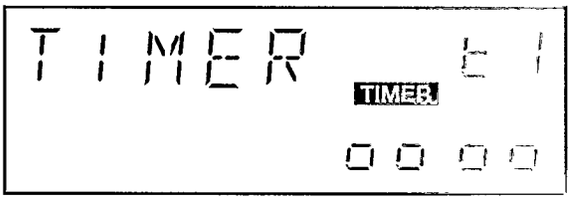
Please note:
- It is possible to programme a recording 31 days (1 month) in advance.
- If, for example, today is the 16th of March and you programme the date as '14', the recording will be made on the 14th of April.
- For a TV programme starting at midnight, i.e.at 00:00, enter the date of the following day as the recording date.

❺ Press button **TIMER**.
The video recorder display will show, e.g.:



Now enter the programme number of the TV channel from which you wish to record.

❻ Press button **TIMER** once more to complete the programming.
For a while the video recorder display will show the following confirmation e.g.:

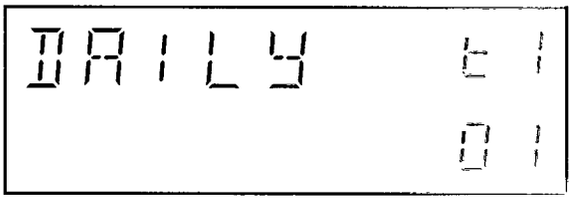


Programming a recording which takes place daily or weekly

Some TV programmes are broadcast every day or every week at the same time e.g. a serial story in the early evening programme. You do not need to programme it separately each day or week if you wish to record all episodes.
You may programme a recording which will take place daily or weekly at step ❹, entering the date of the recording

If you wish to repeat the recording at the same time every day:

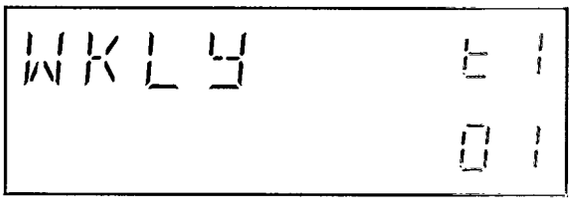
- Programme the TIMER-block as usual introducing the starting time and the ending time (steps ❶ to ❸)
- When entering the date of the recording press button **SELECT** until the indication 'DATE' is replaced on the display by the following:



- Now press button + or — to enter the date, on which the first recording is to be made.
- Conclude the programming sequence as usual following steps ❺ to ❻.

If you wish to repeat the recording on the same day and at the same time every week:

- Programme the TIMER-block as usual introducing the starting time and the ending time (steps ❶ to ❸)
- When entering the date of the recording press button **SELECT** until the indication 'DATE' is replaced on the display by the following:



- Now press button + or — to enter the date, on which the first recording is to be made.
- Conclude the programming sequence as usual following steps ❺ to ❻.

ENGLISH

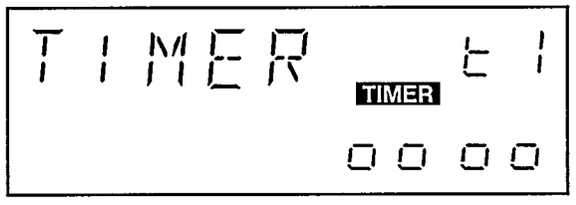
An important note:

- Before a timed recording starts,you may switch the video recorder on and use it normally.

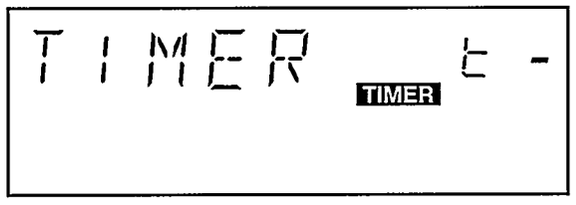
If you are using the video recorder at the moment when the timed recording is due to start, the indication 'TIMER' will flash on the display. This means that the video recorder cannot start the timed recording.
In this case insert the cassette on which you wish to record and switch off the video recorder by pressing button **STAND BY** ; the recording will automatically start.
The indication 'TIMER' will stop flashing.

Some more notes:

- When a timed recording is taking place, the video recorder cannot be used manually. You may, however, cancel the timed recording by pressing button **STAND BY**.
- When the tape reaches the end during a timed recording, the cassette will be ejected automatically and the video recorder switches itself off (after 8 minutes).
- If you forget to load a cassette after programming a timed recording, then the display will warn you by showing 'EJECT'.
- If after programming a timed recording you load a protected cassette,then the indication 'PROT' will flash for a while on the display. Afterwards the cassette will be ejected.
- If you wish to re-use information previously stored on a TIMER-block, all you have to do is to re-programme the date.
- If a TIMER-block number is already occupied, the display will show e.g.:



- If all TIMER-block numbers are programmed, the display will show the indication 'FULL' and then after a while:



How may I check or correct TIMER-block details

1. Press button **TIMER**.
2. Press button + or — to select the required TIMER-block to be checked or corrected.
3. Now press button **TIMER** repeatedly. The display shows the starting time, the ending time, the date and the programme number one after another.
   You can change the details by pressing button + or —.
4. Finally press button **TIMER** once more.

How may I cancel a TIMER-block

1. Press button **TIMER**.
2. Press button + or — to select the required TIMER-block to be cancelled.
3. Press button **RESET**. The TIMER-block has now been cancelled.

OTHER RECORDING POSSIBILITIES

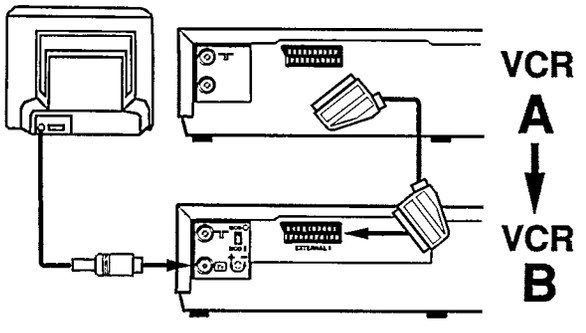
8

Recording from an external source

With this video recorder it is possible to make recordings from external sources, as for example copying onto this video recorder from another video recorder.
To do this you need a 21-pin AV-euroconnector. Your dealer can advise you which cable to use.

❶ Connect this video recorder to the other set, from which you wish to make a recording, e.g. to a second video recorder. For this connect the corresponding 21-pin sockets on both sets (socket **EXTERNAL 1**) using an AV-Eurocable.

Note: In the following description this video recorder is to serve as the one on which is being recorded and will be referred to as **VCR B.**
The second video recorder will be used for playback and will be referred to as **VCR A.**



❷ Insert the pre-recorded cassette into **VCR A** and a cassette into **VCR B.**

❸ Select the programme number 'E1' on **VCR B.** 'E1' is next to programme number 'P 01'. Select it by pressing button + or −.

❹ To start the recording press the record button **RECORD** on **VCR B** and the play button **PLAY** on **VCR A.**

❺ When you want to finish copying, press the stop button **PAUSE/STOP** on both video recorders.

SPECIFIC FUNCTIONS AND EXTRAS

9

Apart from the functions that have already been described, your video recorder has other special functions and extras designed to make operating the video recorder as convenient as possible. In the following chapter we will tell you more about them.

Emergency switch off

You can interrupt all the functions of this video recorder by pressing button **STAND BY**.

Automatic switch-off

If the video recorder isn't operated for longer than about 8 minutes during one of the following functions, the function will be switched off automatically.
This avoids tape wear and reduces unnecessary power consumption.
The video recorder is:

- in STOP after 8 minutes it switches off
- in EJECT after 8 minutes it switches off
- in PAUSE after 8 minutes it switches off
- in STILL after 8 minutes it switches to PLAY
- in SCAN after 8 minutes it switches to PLAY

Auto-dimmer

You may choose the brightness of the display indication when the video recorder is switched off.

Switch the video recorder off and select the brightness of your choice by pressing button + or −.

Secam-PAL reception

With this video recorder you can also receive transmissions systems PAL-B,G and SECAM-D,K in colour. Your colour TV set must, however, be equipped to receive these transmission standards. Your video recorder will switch automatically from the PAL transmission standard to SECAM reception and vice versa.

Please note: Video cassettes recorded on the French SECAM colour system can only be reproduced in black-and-white. This is a technical limitation and not a fault in your video recorder.

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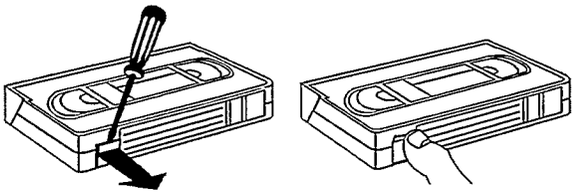
USEFUL INFORMATION ON VIDEOCASSETTES

10

VHS cassettes can be used on one side only.
Previous recordings on a video cassette are automatically erased when you re-record on the cassette.

Erase protection
You may prevent accidental erasing of an important recording by breaking off the erase tab on the rear edge of the cassette with a screwdriver.



If you decide to record on the tape again, cover the hole from which the tab was removed with adhesive tape.

Replace any partly detached adhesive tape.

What you should do:
Buy only high quality cassettes.
Cassettes of inferior quality make your video recorder and the valuable video heads dirty.

Do not:
dismantle the cassette
touch the tape
drop or shake the cassette

Storing cassettes:
Always rewind the tape to the beginning before storage.
Always store the cassette **in its case** and **vertically.**

Keep the cassettes away from:
extreme humidity
dust
bright sunlight and heating sources
magnetic sources, as loudspeakers, transformers, magnets and so on.

TECHNICAL ASSISTANCE (BEFORE YOU CALL AN ENGINEER)

11

Symptom	Possible cause
The video recorder does not respond to any button being pressed.	No power supply. Technical disturbance:disconnect from the mains for 30 sec. then reconnect. Timed recording is taking place.
No playback functions are possible	No recording on the cassette. The end of tape has been reached. The programme number for the video recorder has not been selected or correctly stored.
Video recorder playback quality is poor	For hired recordings: use the 'Auto-tracking' button. Poor quality or badly worn cassette. Loose aerial cable/ AV-Euroconnector. The +⊘− channel control hasn't been properly adjusted
Recording is not possible	TV channel hasn't been stored. A wrong programme number has been chosen. Cassette is protected against erasure.
Timed recording does not start	Recording data is incorrect. Clock on the video recorder isn't correctly set. Cassette is protected against erasure. The end of tape has been reached.
Remote control does not work	Batteries are exhausted. Influence from fluorescent lamps or bright sunlight

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TECHNICAL DATA * ACCESSORIES

12

General

Mains voltage	220 to 240 V
Mains frequency	48 to 52 Hz
Power consumption	16 W typical (9 W typ.in standby)
Wind/rewind time	240 sec. typical for E-180
Ambient temperature during operation	+10 °C to +35 °C
Humidity	20% to 80%
Dimensions	420 x 350 x 89 mm (incl.feet)
Weight	6,5 kg approx.
Position for use	max. 15° inclination on all sides
Video resolution	> 240 lines
Audio	80Hz-10KHz (< 8dB)

This product complies with the Radio Interference requirements of the Council Directive (82/499/EEC).

*** Data subject to change without notice.**

Packed with this video recorder are:

- Aerial cable
- Remote control unit and batteries
- Mains cable

GB	**IDENTITY CARD**	This card, together with the terms of guarantee (to be provided by your dealer), forms the full certificate of guarantee for this appliance.
D	**GERÄTE-KENNKARTE**	Diese Karte ist, zusammen mit den Garantiebestimmungen, die Ihr Händler Ihnen aushändigt, Ihr Garantieschein für dieses Gerät.
F	**CARTE D'INDENTIFI-CATION**	Associée aux conditions de garantie (qui vous sont remises par le revendeur), cette carte constitue le certificat de garantie de cet appareil.
NL	**INDENTIFI-CATIEKAART**	Deze kaart vormt, samen met de garantievoorwaarden (welke door uw dealer verstrekt worden), het garantiebewijs voor dit apparaat.
I	**CARTE D'IDENTIFI-CAZIONE**	Questa cartolina rappresenta insieme alle condizioni di garanzia (da consegnare dal vostro rivenditore) il documento di garanzia per questo apparecchio.
E	**TARJETA DE INDENTIFICACIÒN**	La garantía de este aparato se compone de esta tarjeta y de las condiciones de garantía que le entregará su concesionario.
P	**CARTÃO DE INDENTIFICAÇÃO**	Este cartão, em conjunto com as condições de garantia em vigor (explicadas pelo seu vendedor) constituem o certificado de garantia do seu aparelho.
DK	**I.D. KORT**	Dette kort, udfyldt af Deres forhandler, er tilstrækkelig garantidokumentation for dette apparat.
N	**IDENTIFIKA-SJOSKORT**	Dette kort, sammen med garantibetingelsene (som De får av forhandleren) utgjør garantibeviset for dette apparat.
S	**IDENTIFIERINGS-KORT**	Detta kort tillsammans med garantivillkoren, som Du får av radiohandlaren, utgör ett fullständigt garantibevis för denna produkt.
SF	**TUNNISTUS-KORTTI**	Tämän laitteen takuutodistus muodostuu tästä kortista ja takuuehdoista (jälleenmyyjä antaa mukaan).
GR	**ΔΕΛΤΙΟ ΤΑΥΤΟΤΗΤΑΣ**	Η καρτελλα αυτη μαζι με τουρ ορουρ εγγυησεωρ (που δα προμηδευδειτε απο το καταστημα που αγορασατε την συσκευη). αποτελουν το πληρερ πιστοποιητικο εγγυησεωρ τηρ συσκευηρ σαρ.

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